

Superfund Records Center

SITE: SECTION 18004

BREAK: 11.09

OTHER: 18-782

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0908-3198

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PRODUCTS, INC. is prohibited.

U.S. DEPARTMENT OF LABOR  
Occupational Safety and Health Administration

Form Approved  
OMB No. 44-R1387

# MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,  
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

## SECTION I

MANUFACTURER'S NAME OAKITE PRODUCTS, INC.	EMERGENCY TELEPHONE NO. 201-464-6900
ADDRESS (Number, Street, City, State, and ZIP Code) 50 Valley Road, Berkeley Heights, New Jersey 07922	
CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS Oakite Stripper SA
CHEMICAL FAMILY Solvent-Acid	FORMULA Proprietary

## SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE CAS# 75-09-2			METALLIC COATINGS		
SOLVENTS Methylene chloride	90	100PPM	FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
Formic acid CAS# 64-18-6				25	5 PPM
Dodecylbenzene Sulfonic Acid CAS# 27176-87-0					
This data pertains to undiluted product, not dilutions of product.					

## SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	Unknown	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	1.299
VAPOR PRESSURE (mm Hg.)	Unknown	PERCENT VOLATILE BY VOLUME (%)	90
VAPOR DENSITY (AIR=1)	Unknown	EVAPORATION RATE (ether = 1)	<1
SOLUBILITY IN WATER: Used full strength	Negligible		
APPEARANCE AND ODOR	Black liquid; pungent odor.		

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	FLAMMABLE LIMITS	Let	Uet
	Unknown		
EXTINGUISHING MEDIA	Carbon dioxide, dry chemical, and foam.		
SPECIAL FIRE FIGHTING PROCEDURES: Full protective clothing should be worn including self-contained respiratory equipment. Water may be used to keep fire-exposed containers cool. Water spray may be used to disperse vapors and flush spills away from exposure.			
UNUSUAL FIRE AND EXPLOSION HAZARDS: None under normal conditions; under pressure and in a high oxygen environment, explosive conditions may exist. May form flammable vapor-air mixtures above 212°F.			

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(Continued on reverse side)

1/28/85

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N/A = Not Applicable

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## SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE	Estimated at 100 ppm.	Water seal and wax-type vapor retardant reduce escape of vapors.
EFFECTS OF OVEREXPOSURE	Prolonged inhalation of high concentrations of vapor may produce symptoms ranging from light-headedness and headache to loss of consciousness. Exposure to high vapor concentrations may also cause irritation of respiratory tract and eyes. Direct contact with liquid causes burns of eyes & skin.	
EMERGENCY AND FIRST AID PROCEDURES	For eyes, promptly flush with plenty of water for at least 15 minutes; get medical attention. For skin, remove contaminated clothing and shoes at once. Immediately wash affected areas thoroughly with water and/or soap and water. Continue rinsing for at least 15 minutes. Wash clothing and shoes before reuse. If inhaled, remove from exposure. For severe overexposure, get medical attention.	

## SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	Direct sunlight, heat, open flame.
INCOMPATIBILITY (Materials to avoid)			
Alkaline materials affect performance; strong oxidants.			
HAZARDOUS DECOMPOSITION PRODUCTS			
High vapor exposure to open flames or fires may produce fumes of chlorinated organic compounds. Thermal decomposition may produce carbon monoxide and/or carbon dioxide.			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	Not Applicable

## SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Absorb with straw, sawdust, or other absorbing material, sweep up and haul away.
Then wash area with detergent and water. Provide adequate ventilation. Keep away from heat sources and open flame.
WASTE DISPOSAL METHOD
Observe all federal, state and local regulations.
Concentrate should be hauled away.

## SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)		Not required under normal use conditions when ventilation is adequate.	
VENTILATION	LOCAL EXHAUST	SPECIAL Use only with adequate ventilation.	
	MECHANICAL (General)	OTHER	
PROTECTIVE GLOVES		EYE PROTECTION	Safety goggles
OTHER PROTECTIVE EQUIPMENT		Apron and/or other suitable protective clothing made of impervious material; face shield as necessary.	
Recommend eye wash and safety shower near use area.			

## SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	Avoid contact with eyes, skin & clothing. Wash thoroughly after handling. Avoid prolonged or repeated breathing of vapor. Suitable for indoor storage preferably at room temperature. Avoid direct sunlight, heat and open flame. Keep from freezing. Water seal will freeze at 32°F. Becomes viscous at low temperatures. Restores when warmed.	
OTHER PRECAUTIONS	Before opening, relieve any pressure build-up in container by loosening bung slowly. Keep container closed when not in use. Maintain water seal at 5-10% (maximum) of total volume.	

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GPO 934-110

Form OSHA-20  
Rev. May 72

The information herein is given  
in good faith, but no warranty,  
expressed or implied is made.

0908-3200

TRW-01822

## M A T E R I A L S A F E T Y D A T A S H E E T

PREPARATION DATE ..... OCT 27 1981

A DIVISION OF EM INDUSTRIES  
111 WOODCREST  
CHERRY HILL, N.J. 08034-0395

INFORMATION PHONE NUMBER.:  
(609) 354-9200

~~CHEMICAL ENERGY~~

1-800-~~354-9200~~

## NEPA HAZARD RATINGS

HEALTH ..... 0      FLAMMABILITY .... 1  
REACTIVITY : 0      SPECIAL HAZARDS.: N/A

## SECTION I - GENERAL INFORMATION

CATALOG NUMBER(S): 0X0165  
CHEMICAL NAME..... OLEIC ACID  
TRADE NAME..... ~~XXXXXXXXXXXX~~  
C.A.S. NUMBER..... 112-80-1  
CHEMICAL FAMILY.. MONOUNSATURATED FATTY ACID  
FORMULA..... CH<sub>3</sub>(CH<sub>2</sub>)<sub>7</sub>CH=CH(CH<sub>2</sub>)<sub>7</sub>CO<sub>2</sub>H  
MOLECULAR WEIGHT.: 282.47  
DOT SHIPPING NAME: N/A  
DOT NUMBER..... N/A

## SECTION II - HAZARDOUS INGREDIENTS

-N/A

## SECTION III- PHYSICAL DATA

BOILING POINT (C 760 MM HG)..  
DECOMPO  
MELTING POINT (C)..... 6C  
SPECIFIC GRAVITY(H<sub>2</sub>O = 1)..... 0.895  
VAPOR PRESSURE..(MM HG)..... 1      180C  
PERCENT VOLATILE BY VOL (%).. NONE  
VAPOR DENSITY (AIR=1)..... 9.74  
EVAPORATION RATE (BUAC=1)..... N/A  
SOLUBILITY IN WATER (%)..... INSOLUBLE  
APPEARANCE AND ODOR..... COLORLESS TO YELLOW OILY  
LIQUID

## SECTION IV - FIRE &amp; EXPLOSION HAZARD DATA

FLASH POINT (F)..... 372F (CC)  
FLAMMABLE LIMITS LEL %.: N/A  
FLAMMABLE LIMITS UEL %.: N/A  
EXTINGUISHING MEDIA.....  
CO<sub>2</sub>, DRY CHEMICAL, FOAM

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FIRE FIGHTING PROC.....:  
WEAR SELF-CONTAINED BREATHING APPARATUS  
FIRE & EXPL. HAZARDS...:  
-NONE

SECTION V - HEALTH HAZARD DATA (ACUTE AND CHRONIC)  
ACGIH TLV/OSHA PEL (TWA).....:  
NONE ESTABLISHED  
TOXICITY DATA.....:  
-ORL-RAT LD50: 74 G/KG  
SYMPTOMS OF EXPOSURE .....:  
-CONTACT MAY CAUSE IRRITATION OF SKIN, EYES AND MUCOUS MEMBRANES  
MEDICAL COND. AGGRAVATED BY EXP: DATA NOT AVAILABLE.  
ROUTES OF ENTRY.....: INHALATION, INGESTION OR SKIN CONTACT.  
CARCINOGENICITY.....: SEE COMMENTS, SECTION X; IF NO INFORM-  
ATION APPEARS, THE MATERIAL IS NOT LISTED AS A CANCER CAUSING AGENT.  
EMERGENCY FIRST AID.....:  
SKIN: WASH THOROUGHLY WITH SOAP AND WATER  
EYES: FLUSH THOROUGHLY WITH WATER FOR 15 MINUTES  
INHALATION: REMOVE TO FRESH AIR  
GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE

SECTION VI - REACTIVITY DATA  
STABILITY.....: YES  
CONDITIONS TO AVOID .....:  
-NONE INDICATED  
MATERIALS TO AVOID.....: ( ) WATER ( ) ACIDS  
( ) BASES ( ) CORROSIVES (X) OXIDIZERS  
( ) OTHER (SPECIFY)-N/A  
HAZARDOUS POLYMERIZATION.: DATA NOT AVAILABLE.  
HAZARDOUS DECOMPOSITION.: -COX

SECTION VII - ENVIRONMENTAL PROTECTION PROCEDURES  
SPILL RESPONSE:  
-TAKE UP AND CONTAINERIZE FOR PROPER DISPOSAL  
WASTE DISPOSAL: TO BE PERFORMED IN COMPLIANCE WITH ALL CURRENT LOCAL,  
STATE AND FEDERAL REGULATIONS.

SECTION VIII - SPECIAL PROTECTION INFORMATION  
VENTILATION, RESPIRATORY PROTECTION, PROTECTIVE CLOTHING, EYE PROTECTION:  
-USE GOOD GENERAL VENTILATION  
WEAR PROTECTIVE GLOVES AND SAFETY GOGGLES

SECTION IX - SPECIAL PROTECTION INFORMATION  
HANDLING & STORAGE .....:  
-KEEP CONTAINER CLOSED WHEN NOT IN USE  
WORK/HYGIENE PRACTICES: WASH THOROUGHLY AFTER HANDLING. DO NOT TAKE  
INTERNALLY. EYE WASH AND SAFETY EQUIPMENT SHOULD BE READILY AVAILABLE.  
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SECTION X - OTHER INFORMATION

COMMENTS.....:

-N/A

N/A

REVISION HISTORY.....: 08/01/84, N/A

OCT 27, '87

N/A = NOT AVAILABLE:

MSDS-OX0165

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VWR SCIENTIFIC  
3745 BAYSHORE BLVD.  
BRISBANE, CA. 94005  
TELEPHONE: (415) 468-7150

01 087695397  
TRW INC.  
FASTENERS DIV.  
120 ROGERS ST.  
CAMBRIDGE MA 02142  
ATTENTION: SAFETY OFFICER

06/16/90

DEAR CUSTOMER:

ENCLOSED ARE THE MATERIAL SAFETY DATA SHEETS (MSDS'S) FOR THE PRODUCT(S) THAT YOUR COMPANY RECENTLY PURCHASED FROM VWR SCIENTIFIC. PLEASE FORWARD THESE MSDS(S) TO YOUR SAFETY OFFICER OR OTHER INDIVIDUAL IN YOUR ORGANIZATION RESPONSIBLE FOR IMPLEMENTING THESE REGULATIONS.

"ALL DATA OR INFORMATION REGARDING THE PARTICULAR PRODUCT YOU HAVE PURCHASED FROM VWR SCIENTIFIC, WHICH IS PROVIDED IN THE ENCLOSED MATERIAL SAFETY DATA SHEET, IS OFFERED GRATUITOUSLY AND IN GOOD FAITH AS ACCURATE, BUT IS FURNISHED WITHOUT GUARANTY. VWR SCIENTIFIC MAKES NO REPRESENTATION AS TO THE ACCURACY OF THE INFORMATION IN THE MSDS. WHILE THE INFORMATION IS BELIEVED TO BE CORRECT, YOU SHOULD PERFORM YOUR OWN INVESTIGATION AND INDEPENDENT VERIFICATION. THE CONDITIONS OF THE USE OF THE PRODUCT, AND THE SUITABILITY OF THE PRODUCT FOR YOUR PARTICULAR PURPOSES, ARE BEYOND THE CONTROL OF VWR SCIENTIFIC. THUS, ALL RISKS OF THE USE OF THE PRODUCT ARE THEREFORE ASSUMED BY YOU, THE USER, EXCEPT AS TO SUCH WARRANTIES AS MAY BE PUBLISHED BY VWR SCIENTIFIC, WITH RESPECT TO A PARTICULAR PRODUCT. VWR SCIENTIFIC EXPRESSLY DISCLAIMS ALL WARRANTIES OF EVERY KIND, AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. VWR SCIENTIFIC SHALL IN NO EVENT BE RESPONSIBLE FOR ANY DAMAGES OF WHATEVER NATURE, DIRECTLY OR INDIRECTLY, RESULTING FROM USE OF THE PRODUCT, OR FROM THE PUBLICATION OF USE OF OR RELIANCE UPON DATA CONTAINED IN THE ENCLOSED MSDS. NOTHING IN THE MSDS IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS, OR WHICH EXTEND LICENSES UNDER VALID PATENTS. IF YOU RESELL THE PRODUCT, YOU ARE RESPONSIBLE TO PASS ON TO YOUR CUSTOMER THE INFORMATION CONTAINED IN THE MSDS, AND GIVE TO THEM APPROPRIATE WARNINGS AND SAFE HANDLING INSTRUCTIONS AS NECESSARY TO MAKE THE PRODUCT SAFE FOR THE INTENDED USES BY YOUR CUSTOMER.

THANK YOU,

VWR SCIENTIFIC

06/16/90

P.O. NUMBER -----	INVOICE NUMBER -----	SALE DATE ----		CATALOG NUMBER -----	MSDS FORM/DOC NUMBER -----
16187	0740049	06/11/90	EM	-CX0166-1	000933

20 08351

# MATERIAL SAFETY DATA SHEET

## ~~CRUDE~~ POWDERED METAL

### SECTION I. INGREDIENTS

Hazardous Ingredients:	OSHA	ACGIH	UNITS	NOTATIONS
Copper (8CI9CI)	1	1		MG/M3
Copper (8CI9CI)				
Tin (8CI9CI)	2	2		MG/M3
Tin (8CI9CI)				
Distillates (Petroleum), solvent-refined heavy paraffinic	5	5		MG/M3
Distillates (Petroleum), solvent-refined heavy paraffin				

Generic Description: Powdered Metal Part, impregnated with oil  
For explanation of "Notations," see the Hazard Communication Sheet Explanations page.

### SECTION II. PHYSICAL DATA

Boiling Point:	635 F	Solubility in Water:	Negligible ( < 0.1% )
Vapor Pressure:	< 0 MM HG AT 20 F	Evaporation Rate:	> 1.000 REF=: Water
Vapor Density:	N/AP	Specific Gravity:	N/AP
PH at Full Strength:	N/AP	PH at Rec. Dilution:	N/AP
Appearance & Odor:	Bronze solid-slight odor	% Volatile by Vol.:	0

### SECTION III. FIRE AND EXPLOSION DATA

Flash Point:	Ignition Temp:	LEL:
425 F COC	N/AV	N/AV
Special Fire & Explosion Hazards:	Comment not applicable.	
Extinguishing Media:	Water fog. Dry compound. Foam or carbon dioxide.	
Special Firefighting Procedures:	Use self-contained breathing apparatus for enclosed areas.	

### SECTION IV. HEALTH HAZARD DATA

#### Effects of Overexposure - Acute & Chronic:

**Skin Contact:** Prolonged contact may produce defatting and drying of skin.

**Inhalation:** If product is ground, sanded or drilled, dust released from it may produce irritation of upper respiratory tract, if product is welded or brazed fumes may cause metal fume fever (a temporary condition caused by exposure to sufficient amounts of a freshly formed metal oxide fume - its symptoms include dryness/irritation of the throat, cough, shortness of breath, weakness, fatigue, pains in the joints and muscles, high fever, chills and sweats).

#### Emergency First Aid Procedures:

**Skin Contact:** Wash with soap and water. Apply skin cream if defatting of skin occurs.

**Inhalation:** Remove to fresh air at once.

### SECTION V. REACTIVITY DATA

Stability:	Stable
Conditions to Avoid:	Comment not applicable
Materials to Avoid:	Strong oxidizing agents
Hazardous Polymerization:	Will not occur
Polymerization Conditions to Avoid:	Comment not applicable
Hazardous Decomposition Products:	Carbon monoxide, metal fumes

TRW-01828

0908-3206

## **SECTION VI. SPILL OR LEAK PROCEDURES**

Steps to Be Taken if Material Is Released or Spilled: Recover material if possible.

Waste Disposal Methods: Dispose of in a manner consistent with state, local, and federal regulations.

## **SECTION VII. SPECIAL PROTECTION**

Respiratory Protection: No special protection needed under normal conditions. When welding, cutting or brazing or if dust is generated while handling, fume, dust and mist respirator may be required.

Ventilation Type: General ventilation if needed.

Protective Gloves: Recommended. Oil resistant gloves if needed.

Eye Protection: Recommended. Safety glasses.

Other Protective Equip.: Comment not applicable.

## **SECTION VIII. SPECIAL PRECAUTIONS**

Precautions to Be Taken in Handling & Storage: Comment not applicable.

Other Precautionary Measures: Comment not applicable.

## **SECTION IX. WASTE LABELING INFORMATION**

DOT Labeling Information (49 CFR 100-199)

Not hazardous per DOT regulations

RCRA Information (40 CFR 122-124, 260-265)

Hazardous Waste Numbers: N/AP

Hazard Codes: N/AP

*The above information is based on data provided by suppliers and is not based on laboratory analysis. Testing is recommended.*

# HAZARD COMMUNICATION SHEET EXPLANATIONS

*This explanation page is intended to accompany hazard communication sheets as an aid to their understanding and interpretation.*

## SECTION I. HAZARDOUS INGREDIENTS

The format for each hazardous ingredient is as follows: 2 names are listed. The first is the common name, while the chemical name is given on the line below the common name, indented several spaces.

Some ingredient names appear in the following manner: Chemical name (8CI9CI). The 8CI9CI means that the name of the chemical was derived from the eighth and ninth collective indexes (CI) of chemical abstracts compiled by the American Chemical Society.

S = *Skin notations*, which means that the substance may be absorbed through the skin, contributing to a person's overall exposure level.

C = *Ceiling value*, which is the airborne concentration of a substance above which someone may not be exposed for even an instant.

OSHA and ACGIH = These values represent the airborne concentration of a substance to which the average person may be exposed for 8 hours per day, for 40 hours per week, without any adverse health effects. The OSHA value or PEL (Permissible Exposure Limit), is the legal limit as defined by the Occupational Safety and Health Administration (OSHA). The ACGIH value, or TLV (Threshold Limit Value), is the level recommended by the American Conference of Governmental Industrial Hygienists (ACGIH).

I1, I2A, I2B are designations given by the International Agency for Research on Cancer (IARC) to potential cancer-causing substances:

I1 = *Human Positive*, which means that there is sufficient evidence from population studies to show that the substance causes cancer in humans.

I2A = *Human Suspected*, which means that evidence from human population studies suggests that the substance may cause cancer, but the results are not completely clear. It is possible that the results could have been caused by something other than the substance in question.

I2B = *Animal Positive*, which means that scientific studies have shown the substance to cause an increased occurrence of cancer in multiple animal species or strains, or in multiple experiments.

N1 and N2 are designations given by the National Toxicology Program (NTP) to potential cancer-causing substances:

N1 = *Known Carcinogens*. Evidence from human population studies indicates that exposure to the substance causes cancer in humans.

N2 = *Reasonably Anticipated to be Carcinogens*. Those substances for which there is some limited evidence that the substance causes cancer in humans or sufficient evidence that the substance causes cancer in experimental animals.

O1 is the designation given by the Occupational Safety and Health Administration (OSHA) to suspected cancer-causing substances as listed in 29CFR 1910.1001-1910.1017 - "Cancer-Suspect Agents."

### GENERALLY:

N/AV = The information is not available at this time.

N/AP = This question does not apply to this product (example: an asbestos containing brake pad does not have a boiling point, so the correct response to boiling point on an MSDS for this brake pad is N/AP).



# ISOSTATIC INDUSTRIES INCORPORATED

4153 NORTH KOSTNER AVENUE • CHICAGO, ILLINOIS 60641 • PHONE: (312) 286-3444 • (800) 621-5500

May 1, 1986

To: ISOSTATIC INDUSTRIES, INC. CUSTOMERS

Attn: SAFETY DIRECTOR

Subject: MATERIAL SAFETY DATA SHEET  
HAZARDOUS MATERIAL AS DEFINED IN 29 CFR 1910.1200

Enclosed are copies of our Hazard Communication Sheets covering parts sold by Isostatic Industries, Inc.

We feel these parts, in their manufactured state, are not hazardous in shipping or sitting on a shelf. However, subsequent machining, drilling, welding, melting, etc. could cause hazardous conditions as described on the enclosed data sheet.

We believe our Hazard Communication Sheets to be accurate and comply with the Federal Occupational Safety Communication Standard 29 CFR 1910.1200.

If additional copies of the Material Safety Data Sheets are required, please feel free to request them.

**oilube<sup>®</sup> powdered metal bearings**  
**Cen<sup>®</sup> century<sup>®</sup> cast bronze bearings**

Health 2  
 Flammability 3  
 Reactivity 0

NFPA Code - **2 3 0**

JUN - 4 1992

# MATERIAL SAFETY DATA SHEET

PRODUCT CODE: 9734-6CC21G

DATE OF PREP. **10/10/92**

## Section I

MANUFACTURER: RAFFI & SWANSON, INC.  
 100 EAMES STREET  
 WILMINGTON, MA 01887

MANUFACTURERS' CODE IDENTIFICATION:

~~011-07-10-000-0000-9734-6CC21G~~

EMERGENCY TELEPHONE NO.: 617-933-4200

PRODUCT CLASS: Solvent Based Compound

TRADE NAME: None

THIS PRODUCT IS A MIXTURE CONTAINING ONE OR MORE HAZARDOUS INGREDIENTS.

INFORMATION ON THE COMPOSITION OF RAFFI & SWANSON, INC. PRODUCTS IS CONFIDENTIAL PROPRIETARY INFORMATION AND IS PROVIDED SOLELY TO AID IN SAFE HANDLING OF THESE MATERIALS. USE OR DISCLOSURE FOR ANY OTHER PURPOSE IS EXPRESSLY FORBIDDEN.

## Section II — HAZARDOUS INGREDIENTS

INGREDIENTS	CAS NUMBER	APPROX PERCENT BY WEIGHT	TLV PPM mg/m <sup>3</sup>	LEL % BY VOL	VAPOR PRESSURE mm of Hg
Propylene Glycol Methyl Ether (Dowanol PM)	107-98-2	13	100	Not Avail.	8
Toluol †	108-88-3	9	100	1.2	22
Propylene Glycol Methyl Ether Acetate (Dowanol PM Acetate)	108-65-6	8	None Est.	1.5	3.7
Dipropylene Glycol Methyl Ether - Skin (Dowanol DPM)	34590-94-8	6	100	Not Avail.	0.05
n-Butyl Alcohol-Skin †	71-36-3	3	50	1.4	4.3
Xylol †	1330-20-7	3	100	1.0	5.9
Isobutyl Alcohol	78-83-1	3	50	1.7	8
Formaldehyde *C*	50-00-0	0.07	1	--Not Applicable--	

† Subject to the reporting requirements of EPA Reg. 40 CFR 372 (SARA Title III, Sec. 313).  
 \*C\* indicates a carcinogen or suspect carcinogen according to ACGIH, OSHA, NTP or IARC.

## Section III — PHYSICAL DATA

EVAPORATION RATE: ☐ FASTER ☒ SLOWER THAN ETHER

VAPOR DENSITY: ☒ HEAVIER ☐ LIGHTER THAN AIR

BOILING RANGE: 225°-373° PERCENT VOLATILE BY VOL: 65%

WEIGHT PER GAL: 10.57#

## Section IV — FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION:

DOT: Flammable Liquid

OSHA: Flammable Liquid-Class IB

FLASH POINT (closed cup): 40°F lowest

LEL: 1.0%

flashing component

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical or foam.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep containers tightly closed. Isolate from heat, sparks and open flame. Do not apply to hot surfaces. Closed containers may explode when exposed to extreme heat.

SPECIAL FIRE FIGHTING PROCEDURES: Water may be ineffective. Water may be used to cool closed containers. Irritating or toxic gases may be present. Use self-contained breathing apparatus.

TRW-01832

PRODUCT CODE: 9734-6CC21G

**Section V — HEALTH HAZARD DATA** (Based on data for individual ingredients)**THRESHOLD LIMIT VALUE** - See Section II**EFFECTS OF OVEREXPOSURE****CHRONIC TOXICITY:** See Section IX.**INHALATION:** Vapor irritating to eyes, nose, and throat. Can cause headache, dizziness, nausea, weakness, loss of consciousness. Prolonged overexposure may cause permanent injury.**SKIN:** Penetrates skin.

Prolonged and repeated contact may cause drying of the skin, and absorption of harmful amounts.

**EYE CONTACT:** Burning and irritation.**INGESTION:** Do not take internally. May cause nausea, vomiting, diarrhea and other toxic effects.**EMERGENCY AND FIRST AID PROCEDURES****INHALATION:** Provide fresh air. Give artificial respiration or oxygen if necessary. CALL A PHYSICIAN.**SKIN:** Wash thoroughly with soap and water. Remove contaminated clothing and shoes. Wash clothes thoroughly before re-use.**EYE CONTACT:** Flush with water for at least 15 minutes. SEE PHYSICIAN.**INGESTION:** DO NOT INDUCE VOMITING.

If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs. CALL A PHYSICIAN.

**Section VI — REACTIVITY DATA****STABILITY:** ☐ UNSTABLE ☒ STABLE**HAZARDOUS POLYMERIZATION:** ☐ MAY OCCUR ☒ WILL NOT OCCUR**HAZARDOUS DECOMPOSITION PRODUCTS:** Combustion produces carbon monoxide and carbon dioxide. Unidentified organic compounds may be formed.**MATERIALS AND CONDITIONS TO AVOID:** Strong acids, strong alkalis, strong oxidizers.**Section VII — SPILL OR LEAK PROCEDURES****STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Remove all sources of ignition. Avoid breathing vapors. Ventilate area. Remove with inert absorbent and non-sparking tools.**WASTE DISPOSAL METHOD:** Incinerate in approved facility. Do not incinerate closed containers. Dispose in accordance with local, state and federal regulations.**Section VIII — SPECIAL PROTECTION INFORMATION****RESPIRATORY PROTECTION:** Avoid breathing concentrated vapors or overspray particles if sprayed. In confined or poorly ventilated areas, use NIOSH approved mask with chemical canister or supplied air.**VENTILATION:** Provide general mechanical ventilation or local exhaust ventilation sufficient to keep concentration of solvent vapors below 50 PPM**PROTECTIVE GLOVES:** Use chemical resistant, impervious gloves for contact.**EYE PROTECTION:** Safety goggles or face shield where splashes can occur.**OTHER PROTECTIVE EQUIPMENT:****Section IX — SPECIAL PRECAUTIONS****PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** ☒ FLAMMABLE ☐ COMBUSTIBLE

Keep in closed containers. Avoid sparks or flame when handling. Can be stored under ambient conditions. Keep closures tight and containers upright to prevent leakage.

**OTHER PRECAUTIONS:** Avoid contact with the skin. Use good personal hygiene practices. Wash hands thoroughly before eating/drinking/smoking/using toilet facilities.

Inhalation of formaldehyde has been shown to cause cancer in laboratory animals.

TRW-01833

INFORMATION PRESENTED IS ACCURATE TO THE BEST KNOWLEDGE OF RAFFI &amp; SWANSON, INC. RAFFI AND SWANSON, INC. ASSUMES NO LEGAL RESPONSIBILITY FOR LOSS OR INJURY RESULTING FROM THE USE OF THESE DATA OR ANY MATERIALS DESIGNATED.

0908-3211

Maint Dept  
250

# BOWMAN DISTRIBUTION MATERIAL SAFETY DATA SHEET

## SECTION I

PRODUCT NAME [REDACTED]	BOWMAN PART NO. 21975 (page 1 of 2)
SUPPLIER [REDACTED] INC.	EMERGENCY TELEPHONE NO. [REDACTED]
ADDRESS 850 East 72nd Street, Cleveland, OH 44103	DATE 8/10/87
HAZARDOUS MATERIAL DESCRIPTION, PROPER SHIPPING NAME, HAZARD CLASS, HAZARD ID NO. (49 CFR 172.101) Cement, Liquid N.O.S. Class 55, No. 1133	
ADDITIONAL HAZARD CLASSES (as applicable) N.A.	
CHEMICAL FAMILY Post chlorinated polyvinyl chloride	FORMULA N.A.

## SECTION II - HAZARDOUS INGREDIENTS

CAS REGISTRY NO.	%W	%V	CHEMICAL NAME(S)	Listed as a Carcinogen in NTP, IARC or OSHA 1910(z) (specify)
00109999		50-52	Tetrahydrofuran	N.A.
00078933		13	Methyl Ethyl Ketone	N.A.

## SECTION III - PHYSICAL DATA

BOILING POINT 147 °F ____ °C	SPECIFIC GRAVITY (H <sub>2</sub> O = 1) .922		
VAPOR PRESSURE @ ____ °F ____ °C <input type="checkbox"/> mm Hg <input type="checkbox"/> psi	PERCENT VOLATILE BY VOLUME (%) 84%	PERCENT SOLID BY WEIGHT (%) 16%	
VAPOR DENSITY (AIR = 1) 3.5	EVAPORATION RATE (____ = 1) Butyl Acetate 6.3		
SOLUBILITY IN WATER 75	pH = N.A.		
APPEARANCE AND ODOR Orange viscous liquid, ethereal odor		IS MATERIAL: LIQUID	

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT ____ °F ____ °C	method used	FLAMMABLE LIMITS	LEL N.A.	UEL N.A.
EXTINGUISHING MEDIA Dry chemical or carbon dioxide				
SPECIAL FIRE FIGHTING PROCEDURES Use spray nozzle discharge to assist in controlling fire				
UNUSUAL FIRE AND EXPLOSION HAZARDS None				

## SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE - Conditions to avoid Harmful or fatal if swallowed, skin irritant, eye irritant	THRESHOLD LIMIT VALUE	N.A.
	PERMISSIBLE EXPOSURE LIMIT	N.A.
	OTHER LIMIT	N.A.
PRIMARY ROUTES OF ENTRY Inhalation <input checked="" type="checkbox"/> Skin Contact <input checked="" type="checkbox"/> Other (specify) Skin Irritant Eye Irritant		
EMERGENCY AND FIRST AID PROCEDURES Flush eyes with water for 15 minutes. Wash skin with soap and water. Inhalation - remove to fresh air, give artificial respiration and oxygen if necessary. Do not induce vomiting. Call physician.		

## SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID N.A.
	STABLE	X	
INCOMPATIBILITY (materials to avoid) None			
HAZARDOUS DECOMPOSITION PRODUCTS: None			
HAZARDOUS POLYMERIZATION	No	MAY OCCUR	CONDITIONS TO AVOID
		WILL NOT OCCUR	X N.A.

## SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Eliminate all ignition sources. Flush with water. Normal good housekeeping procedures; hazardous material.	
WASTE DISPOSAL METHOD Evaporate in absence of any heat or flame	
CERCLA (Superfund) REPORTABLE QUANTITY (in lbs) N.A.	
RCRA HAZARDOUS WASTE NO. (40 CFR 261.33) N.A.	
VOLATILE ORGANIC COMPOUND (VOC) (as packaged, minus water) N.A.	<input checked="" type="checkbox"/> Theoretical <u>7.68</u> lb/gal <input checked="" type="checkbox"/> Analytical <u>7.68</u> lb/gal

## SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type) Normal ventilation		
VENTILATION	LOCAL EXHAUST (specify rate) normal	SPECIAL N.A.
	MECHANICAL (general) (specify rate) N.A.	OTHER N.A.
PROTECTIVE GLOVES (specify type) PVA gloves	EYE PROTECTION (specify type) Safety goggles	
OTHER PROTECTIVE EQUIPMENT None		

## SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Store away from heat or flame. Avoid prolonged contact with skin. Avoid prolonged breathing of vapors. Do not take internally.	
OTHER PRECAUTIONS Keep out of reach of children.	

0908-3213

TRW-01835

# Man-GILL CHEMICAL COMPANY

23000 ST. CLAIR AVE. • CLEVELAND, OHIO 44117 • 216 - 486-5300 • CHEMTREC 800 - 424-9300



**Man-GILL  
CHEMICAL**

## MATERIAL SAFETY DATA SHEET

Section I				07867	
Identity		Date Prepared	02/21/86	Date Revised	12/09/85
ORGANIC YELLOW		NEPA CODE: HEALTH	2	FLAMMABILITY:	1
				REACTIVITY:	1
Section II — Hazardous Ingredients					
Hazardous Ingredients		CAS #	Health Hazards	ACGIH TLV - TWA	
PROPYLENE GLYCOL		107-98-2		360 MG/CUM	
NO COMPONENT WAS FOUND TO BE CARCINOGENIC IN NTP, IARC OR OSHA 1910(Z)					
Section III — Physical/Chemical Characteristics					
Boiling Point		Specific Gravity (H <sub>2</sub> O = 1)			
369 DEG F		1.02			
Vapor Pressure (mm Hg)		Percent Volatile By Volume (%)			
NOT DETERMINED		69			
Vapor Density (AIR = Reference)		Evaporation Rate (Ether = Reference)			
HEAVIER		SLOWER			
Water Soluble					
NO					
Appearance and Odor					
YELLOW LIQUID, MILD ODOR					
Section IV — Fire and Explosion Hazard Data					
Flash Point (Method Used)		Flammable Limits		LEL	UEL
214 DEG TCC		LOWEST VALUE		2.6	
Extinguishing Media					
CARBON DIOXIDE, DRY CHEMICAL.					
Special Fire Fighting Procedures					
IF EXPOSED TO HEAT, PRESSURE WILL BUILD UP IN CONTAINER.					
Unusual Fire and Explosion Hazards					
A STRAIGHT WATER STREAM WOULD SPREAD FIRES. STATIC ELECTRICITY COULD CAUSE IGNITION.					

TRW-01836

# MAN-GILL CHEMICAL COMPANY

## MATERIAL SAFETY DATA SHEET

ORGANIC YELLOW

07867

### Section V — Reactivity Data

STABILITY	Unstable Stable *	Conditions to Avoid AVOID PROLONGED STORAGE AT ELEVATED TEMPERATURES.
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INCOMPATIBILITY (Materials to Avoid)

NONE KNOWN

Hazardous Decomposition Products

OXIDES OF CARBON

HAZARDOUS POLYMERIZATION	May Occur Will Not Occur *	Conditions to Avoid NONE
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### Section VI — Health Hazard Data

Effects of Overexposure MILD SKIN IRRITANT. HARMFUL IF SWALLOWED.  
IRRITATING TO THE EYES. INHALATION MAY CAUSE HEADACHE, NAUSEA, AND  
DIZZINESS.

Emergency and First Aid Procedures

Eye (Contact): FLUSH EYES WITH COPIOUS AMOUNTS OF WATER FOR 15 MINUTES  
AND CONTACT PHYSICIAN IMMEDIATELY.

Skin (Contact): WASH WITH SOAP AND WATER. CONTACT PHYSICIAN IF  
IRRITATION PERSISTS.

Ingestion (Swallowing): DRINK LARGE QUANTITIES OF MILK OR WATER. CONSULT  
PHYSICIAN IMMEDIATELY.

Inhalation (Breathing): REMOVE TO FRESH AIR.

### Section VII — Precautions for Safe Handling & Use

Steps to be taken in Case Material is Released or Spilled

CONTAIN SPILL. ABSORB AND DISPOSE WASTE.

Waste Disposal Method: DISPOSE IN ACCORDANCE WITH LOCAL, STATE AND  
FEDERAL REGULATIONS.

Precautions To be Taken in Handling and Storage DO NOT STORE OR USE NEAR HEAT, SPARKS, OR  
FLAME. DO NOT STORE NEAR COMBUSTIBLE MATERIAL. DO NOT STORE IN DIRECT  
SUNLIGHT. WHEN SANDING DRY FILM, USE NIOSH APPROVED DUST MASK. KEEP  
CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.

Other Precautions: SHOWERS AND EYE WASH FOUNTAINS SHOULD BE MADE  
AVAILABLE WHERE CHEMICALS ARE USED.

### Section VIII — Control Measures

Respiratory Protection (Specify Type)

USE NIOSH APPROVED EQUIPMENT WHEN AIRBORNE EXPOSURE LIMITS ARE EXCEEDED.

Ventilation	Local Mechanical	RECOMMENDED TO MAINTAIN BELOW TLV
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Protective Gloves

NEOPRENE RUBBER

Eye Protection

SPLASH GOGGLES OR FACE SHIELD

Other Protective Clothing or Equipment

PROTECTIVE CLOTHING SUFFICIENT TO PREVENT SKIN CONTACT.

TRW-01837

Work/Hygienic Practices

WASH THOROUGHLY BEFORE EATING, SMOKING OR USING TOILET FACILITIES.

THE INFORMATION PRESENTED HEREIN HAS BEEN COMPILED FROM SOURCES CONSIDERED TO BE DEPENDABLE AND IS  
ACCURATE TO THE BEST OF SELLER'S KNOWLEDGE, HOWEVER, SELLER MAKES NO WARRANTY WHATSOEVER, EXPRESSED,  
IMPLIED OR OF MERCHANTABILITY REGARDING THE ACCURACY OF SUCH DATA OR THE RESULTS TO BE OBTAINED FROM  
THE USE THEREOF, SELLER ASSUMES NO RESPONSIBILITY FOR INJURY TO BUYER OR TO THIRD PERSONS OR FOR ANY  
DAMAGE TO ANY PROPERTY AND BUYER ASSUMES ALL SUCH RISK.

U.S. DEPARTMENT OF LABOR  
Occupational Safety and Health Administration

Form Approved  
OSHA-101 (Rev. 11-83)

# MATERIAL SAFETY DATA SHEET

SEP 19 1985

D. BORSUK

Required under USDL Safety and Health Regulations for Ship Repairing,  
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

C.A.S. No. 142-62-7	SECTION I	CP No. 83082
MANUFACTURER'S NAME CP Chemicals, Inc.		EMERGENCY TELEPHONE NO. CP Chemicals: 201-636-4300 Chemtec: 800-424-9300
ADDRESS (Number, Street, City, State, and ZIP Code) Arbor Street, Sewaren, NJ 07077		
CHEMICAL NAME AND SYNONYMS Ethanedioic Acid (Dihydrate)		TRADE NAME AND SYNONYMS <del>XXXXXXXXXX</del>
CHEMICAL FAMILY Dicarboxylic Acids	FORMULA (COOH) <sub>2</sub> ·2H <sub>2</sub> O	

SECTION II - HAZARDOUS INGREDIENTS						
PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)	
PIGMENTS	Not Applicable		BASE METAL	Not Applicable		
CATALYST			ALLOYS			
VEHICLE			METALLIC COATINGS			
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX			
ADDITIVES			OTHERS			
OTHERS						
HAZARD DATA					%	TLV (Units)
IRDS: skn-rbt 500 mg/24H MOD, eye-rbt 250 ug/24H SEV						
TXDS: orl-hmn LDLo: 71 mg/kg, orl-rat LD50: 375 mg/kg,						
orl-dog LDLo: 1000 mg/kg						
AQTX: AQUATIC TOXICITY RATING: TLm 96: 1000-100 ppm						

SECTION III - PHYSICAL DATA				
BOILING POINT (°F.)	loses 2H <sub>2</sub> O @	232	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	1.65
VAPOR PRESSURE (mm Hg.)			PERCENT VOLATILE BY VOLUME (%)	
VAPOR DENSITY (AIR=1)			EVAPORATION RATE (_____=1)	
SOLUBILITY IN WATER @ 77°F	143 g/l		Melting Point, °F	214
APPEARANCE AND ODOR: White crystals - Odorless				

SECTION IV - FIRE AND EXPLOSION HAZARD DATA			
FLASH POINT (Method used)	N/A	FLAMMABLE LIMITS	N/A
EXTINGUISHING MEDIA	Small Fire: dry chemical, CO <sub>2</sub> , water spray or foam. Large Fire: water spray, fog or foam.		
SPECIAL FIRE FIGHTING PROCEDURES			
Move containers from fire area if safely possible.			
UNUSUAL FIRE AND EXPLOSION HAZARDS			
Above 250°F may sublime to irritating and corrosive vapor or mist.			

PAGE (1)

(Continued on reverse side)

Form OSHA-20  
Rev. May 72

0908-3216

To be used at Binney St. to clean heat treat furnace belt

TRW-01838

## SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

1 mg/m<sup>3</sup> air

EFFECTS OF OVEREXPOSURE

Irritant and corrosive to skin, mucous membranes, eyes. Ingestion may cause severe gastroenteritis with vomiting, diarrhea. Renal damage can result from formation of excessive calcium oxalate. Severe poisoning can end fatally.

EMERGENCY AND FIRST AID PROCEDURES

If swallowed, call physician for gastric lavage with calcium hydroxide, calcium lactate or other calcium solutions. See physician promptly for eye or skin irritation after washing eyes (under lids) 15 min. with ample water, skin with soap & water.

## SECTION VI - REACTIVITY DATA

STABILITY

UNSTABLE

CONDITIONS TO AVOID

STABLE

X

excessive heat

INCOMPATIBILITY (Materials to avoid)

Reacts violently with Ag, Oxidizers, Furfuryl, Alcohol.

HAZARDOUS DECOMPOSITION PRODUCTS

Acid vapor

HAZARDOUS  
POLYMERIZATION

MAY OCCUR

CONDITIONS TO AVOID

WILL NOT OCCUR

X

## SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Cover with soda ash or sodium bicarbonate. Pick up for disposal.

WASTE DISPOSAL METHOD

Incinerator approved by local, state and federal authorities.

## SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

Respirator, acid cartridge

VENTILATION

LOCAL EXHAUST

Provide:

SPECIAL

MECHANICAL (General)

Maintain TLV

OTHER

PROTECTIVE GLOVES

Rubber

EYE PROTECTION

Chemical goggles or face mask

OTHER PROTECTIVE EQUIPMENT

Rubber apron, clean uniform weekly.

## SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep container closed. Avoid dusting. Store away from oxidizers.

OTHER PRECAUTIONS

Avoid chronic inhalation of dust or mist. May cause ulceration, headache, nervousness, albuminuria, cough, emaciation, weakness.

PAGE (2)

SPO 930-540

DESCRIPTION:

Oxalate, water soluble

IMCO Class 6.1, UN 2449

TRANSPORTATION:

Not listed by DOT

LABEL:

St. Andrews Cross (Poison B for export to U.S.)

Form OSHA-20

Rev. May 72

TRW-01839

0908-3217

# Man-GILL CHEMICAL COMPANY

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## MATERIAL SAFETY DATA SHEET

Section I				07867
Identity <b>ORGANIC YELLOW</b>		Date Prepared <b>02/21/86</b>	Date Revised <b>12/09/85</b>	
		NFPA CODE HEALTH <b>2</b>	FLAMMABILITY <b>1</b>	REACTIVITY <b>1</b>
Section II — Hazardous Ingredients				
Hazardous Ingredients	CAS #	Health Hazards	ACGIH TLV - TWA	
PROPYLENE GLYCOL	107-98-2		360 MG/CUM	
NO COMPONENT WAS FOUND TO BE CARCINOGENIC IN NTP, IARC OR OSHA 1910(Z)				
Section III — Physical/Chemical Characteristics				
Boiling Point <b>369 DEG F</b>		Specific Gravity (H <sub>2</sub> O = 1) <b>1.02</b>		
Vapor Pressure (mm Hg) <b>NOT DETERMINED</b>		Percent Volatile By Volume (%) <b>69</b>		
Vapor Density (AIR = Reference) <b>HEAVIER</b>		Evaporation Rate (Ether = Reference) <b>SLOWER</b>		
Water Soluble <b>NO</b>				
Appearance and Odor <b>YELLOW LIQUID, MILD ODOR</b>				
Section IV — Fire and Explosion Hazards				
Flash Point (Method Used) <b>214 DEG TCC</b>		Flammable Limits <b>LOWEST VALUE</b>	LEL <b>2.6</b>	UEL
Extinguishing Media <b>CARBON DIOXIDE. DRY CHEMICAL.</b>				
Special Fire Fighting Procedures <b>CONTAINER.</b>		<b>IF EXPOSED TO HEAT, PRESSURE WILL BUILD UP IN</b>		
Unusual Fire and Explosion Hazards <b>FIRES. STATIC ELECTRICITY COULD CAUSE IGNITION.</b>		<b>A STRAIGHT WATER STREAM WOULD SPREAD</b>		

0908-3218

**Man-GILL CHEMICAL COMPANY****MATERIAL SAFETY DATA SHEET****ORGANIC YELLOW****07867****Section V — Reactivity Data**

STABILITY	Unstable Stable *	Conditions to Avoid <b>AVOID PROLONGED STORAGE AT ELEVATED TEMPERATURES.</b>
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INCOMPATIBILITY (Materials to Avoid)

**NONE KNOWN**

Hazardous Decomposition Products

**OXIDES OF CARBON**

HAZARDOUS POLYMERIZATION	May Occur Will Not Occur *	Conditions to Avoid <b>NONE</b>
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**Section VI — Health Hazard Data**

Effects of Overexposure **MILD SKIN IRRITANT. HARMFUL IF SWALLOWED. IRRITATING TO THE EYES. INHALATION MAY CAUSE HEADACHE, NAUSEA, AND DIZZINESS.**

Emergency and First Aid Procedures

Eye (Contact): **FLUSH EYES WITH COPIOUS AMOUNTS OF WATER FOR 15 MINUTES AND CONTACT PHYSICIAN IMMEDIATELY.**

Skin (Contact): **WASH WITH SOAP AND WATER. CONTACT PHYSICIAN IF IRRITATION PERSISTS.**

Ingestion (Swallowing): **DRINK LARGE QUANTITIES OF MILK OR WATER. CONSULT PHYSICIAN IMMEDIATELY.**

Inhalation (Breathing): **REMOVE TO FRESH AIR.**

**Section VII — Precautions for Safe Handling & Use**

Steps to be taken in Case Material is Released or Spilled

**CONTAIN SPILL. ABSORB AND DISPOSE WASTE.**

Waste Disposal Method: **DISPOSE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.**

Precautions To be Taken in Handling and Storage **DO NOT STORE OR USE NEAR HEAT, SPARKS, OR FLAME. DO NOT STORE NEAR COMBUSTIBLE MATERIAL. DO NOT STORE IN DIRECT SUNLIGHT. WHEN SANDING DRY FILM, USE NIOSH APPROVED DUST MASK. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.**

Other Precautions: **SHOWERS AND EYE WASH FOUNTAINS SHOULD BE MADE AVAILABLE WHERE CHEMICALS ARE USED.**

**Section VIII — Control Measures**

Respiratory Protection (Specify Type)

**USE NIOSH APPROVED EQUIPMENT WHEN AIRBORNE EXPOSURE LIMITS ARE EXCEEDED.**

Ventilation	Local Mechanical	<b>RECOMMENDED TO MAINTAIN BELOW TLV</b>
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Protective Gloves

**NEOPRENE RUBBER**

Eye Protection

**SPLASH GOGGLES OR FACE SHIELD**

Other Protective Clothing or Equipment

**PROTECTIVE CLOTHING SUFFICIENT TO PREVENT SKIN CONTACT.**

Work/Hygienic Practices

**WASH THOROUGHLY BEFORE EATING, SMOKING OR USING TOILET FACILITIES.**

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